

## **EBF1 Polyclonal Antibody**

Purified Rabbit Polyclonal Antibody (Pab) Catalog # AP54730

## **Product Information**

**Application** IHC-P, IHC-F, IF, ICC, E

Primary Accession Q9UH73

**Reactivity** Rat, Dog, Bovine

Host Rabbit
Clonality Polyclonal
Calculated MW 64464
Physical State Liquid

Immunogen KLH conjugated synthetic peptide derived from human EBF1

**Epitope Specificity** 75-170/591 **Isotype** IgG

**Purity** affinity purified by Protein A

**Buffer** 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol.

**SUBCELLULAR LOCATION** Nucleus (Potential).

**SIMILARITY** Belongs to the COE family. Contains 1 IPT/TIG domain.

**SUBUNIT** Forms either a homodimer or a heterodimer with a related family member

(By similarity). Interacts with ZNF423 and ZNF521, leading to prevent EBF1 to

bind DNA and activate target genes.

**Important Note** This product as supplied is intended for research use only, not for use in

human, therapeutic or diagnostic applications.

**Background Descriptions**Transcriptional activator which recognizes variations of the palindromic

sequence 5'-ATTCCCNNGGGAATT-3'.

## **Additional Information**

**Gene ID** 1879

Other Names Transcription factor COE1, O/E-1, OE-1, Early B-cell factor, EBF1, COE1, EBF

**Dilution** IHC-P=1:100-500,IHC-F=1:100-500,ICC=1:100-500,IF=1:100-500,ELISA=1:5000-

10000

**Storage** Store at -20 °C for one year. Avoid repeated freeze/thaw cycles. When

reconstituted in sterile pH 7.4 0.01M PBS or diluent of antibody the antibody

is stable for at least two weeks at 2-4 °C.

## **Protein Information**

Name EBF1

Synonyms COE1, EBF

**Function** Key pioneer transcription factor of B-cell specification and commitment

(PubMed:27807034). Recognizes variations of the palindromic sequence 5'-ATTCCCNNGGGAATT-3'. Operates in a transcription factor network to activate B-cell-specific genes and repress genes associated with alternative cell fates. For instance, positively regulates many B- cell specific genes including BCR or CD40 while repressing genes that direct cells into alternative lineages, including GATA3 and TCF7 for the T-cell lineage. In addition to its role during lymphopoiesis, controls the thermogenic gene program in adipocytes during development and in response to environmental cold (By

similarity).

Cellular Location Nucleus.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.